

# Job Title: CIVIL ENGINEER V - TRAFFIC OPERATIONS ENGINEER - IPR#46382

**Agency :** Department of Transportation

**Closing Date/Time:** 04/28/2023

**Salary:** \$6,445 - \$10,210 Monthly

**Job Type:** Salaried Full Time

**County:** LaSalle

**Number of Vacancies:** 1

**Plan/BU:** NR916 - Protech Teamsters

**This position is a union position; therefore, provisions of the relevant collective bargaining agreement/labor contract apply to the filling of this position.**

**All applicants who want to be considered for this position MUST apply electronically through the [illinois.jobs2web.com](https://illinois.jobs2web.com) website. State of Illinois employees should click the link near the top left to apply through the SuccessFactors employee career portal.**

**Applications submitted via email or any paper manner (mail, fax, hand delivery) will not be considered.**

**\*This position is covered by the Revolving Door Prohibition Policy.**

## Agency Mission Statement:

The Illinois Department of Transportation is seeking to hire a Traffic Operations Engineer.

The IDOT team works diligently to provide safe, cost-effective transportation for Illinois in ways that enhance quality of life, promote economic prosperity and protect our environment. We are problem solvers and leaders, constantly searching for innovations and improvements in support of our commitment to providing the best multimodal transportation system for Illinois.

Our team fosters a culture of inclusivity. We value diversity and hold ourselves to the highest ethical standards as we work together for a common purpose. Team members frequently collaborate with colleagues and others outside the department to best meet customer needs.

The department offers extensive training and career advancement opportunities. Employees also receive a robust benefit package including:

- Monday-Friday work schedule
- Flexible work schedules are available in many program areas.
- Health, Life, Vision, and Dental Insurance
- Pension Plan
- (10) Weeks paid Maternity/Paternity Leave
- Deferred Compensation Program and other pre-tax benefit programs (Medical/Daycare)
- Employees earn (12) paid Sick Days annually.
- New Employees earn (10) paid Vacation Days their first year of service and can earn up to (25) paid Vacation Days annually.
- Employees earn (3) paid Personal Days annually.
- (13-14) paid holidays annually (based on start date)
- Tuition Reimbursement

We invite qualified applicants to apply to become part of our team. We are confident that you will take pride in serving Illinois and its residents and visitors.

## Job Responsibilities

This position is accountable for the installation and maintenance of all traffic signs and pavement markings throughout the district.

Subordinate Personnel:	Up to 3 direct; Up to 13 indirect
Operating Budget:	\$1,500,000
Signs Maintained:	41,000 +/-
Signs Installed Annually:	8,000 to 10,000

Lane Miles of Pavement Markings:	7,200
Number of Detours Installed Annually:	20 to 25

This position reports to the Operations Engineer. Reporting to this position are the Traffic Control Technician, Traffic Operations Supervisors, and the Silk Screen Operator.

This position operates in an environment where safety and traffic flow of the traveling public is the primary focus. This position is unique in that it is responsible for all traffic controls, the restoration of some traffic controls, emergency call outs for critical sign knockdowns, the implementation of detour routes, and lane and road closures. This position is also responsible for the supervision and the review of all traffic controls for maintenance and construction operations on or near the roadway. Traffic control plans are developed and included in all contracts for the reconstruction of the highway system. It is extremely important that the incumbent mold his/her subordinates into an efficient unit, as teamwork is much more important than individual contributions.

The greatest challenge to this position is the maintenance of traffic controls in an efficient, effective condition. Contingency plans must be developed to implement emergency detours with a minimum of inconvenience to the motoring public. The immediate repair of critical sign knockdowns such as stop signs, must be accomplished at all hours of the day and night. Periodic inspections of the existing system, including annual night-time reviews, must be made to ensure sign effectiveness under all conditions. The effective planning and scheduling of the pavement marking operations is necessary to ensure the markings are maintained in an acceptable condition.

### **(Job Responsibilities continued)**

This position personally sets overall objectives for the marking and signing activities; maintains an existing sign inventory and special pavement marking inventory; supervises the maintenance and routing of all detours within the district; prepares, monitors, and authorizes expenditures for his/her section; develops and implements the district commodity inventory plans; schedules the preventative maintenance programs; oversees the maintenance and inventory of the traffic vehicular fleet including scheduling of replacement vehicles on a priority basis; monitors and develops new materials and equipment applications to improve operating effectiveness and highway safety. The incumbent will assist in the budget preparation and maintain historical records for budget preparation.

The incumbent accomplishes his/her accountabilities through the following staff:

- Traffic Operations Supervisors who with a staff of up to 13 personnel are responsible for sign fabrication and installation, supply deliveries, inventory control and equipment maintenance. He/She also supervises the performing of all signing installations and striping functions. These two positions also operate within the guidelines of the Manual of Uniform Traffic Control Devices, the Standard Specifications for Traffic Control Items, and the Design and Standard Manuals. These two incumbents have some latitude for independent action on matters dealing with the installation of traffic control devices and maintenance program priorities.
- Traffic Control Technician who inspects and files reports on construction project traffic control devices.

The incumbent is allowed great latitude to act in resolving traffic hazards, authorizing work and ordering inventory. The incumbent will review the signing and pavement operations and implement changes to increase production and efficiency. He/She must have the expertise to install traffic control devices for unique conditions not specifically dictated in the manual. This position makes recommendations for disciplinary action. The incumbent has considerable responsibility for the purchase of commodities and equipment. Unique, complicated or sensitive problems, beyond the scope of this position, will be referred to the district Operations Engineer.

### **(Job Responsibilities continued)**

This position has frequent contact outside the department with contractors and material and equipment suppliers. Frequent contacts will include the public and city and county officials. The incumbent will act as a liaison with local and state police to discuss both routine and emergency traffic conditions. Contacts within the department include the district Bureaus of Operations, Program Development, and Project Implementation to coordinate activities and with the central Bureau of Operations to clarify policies. The incumbent interacts with maintenance personnel, city engineers, city police departments, consulting engineers, electrical contractors, utility companies and the public. This position requires travel throughout the district to examine and review traffic conditions.

The performance of the incumbent is evaluated on the consistency with which traffic flows smoothly and without

hazards, inventories are up to date and adequate, and traffic control plans are developed and included in all contracts for highway construction work.

## **Principal Accountabilities**

1. Analyzes all sign requests for warrants and standardization and installs traffic control devices in emergency situations to reduce the probability of accidents.
2. Erects, maintains, and repairs all necessary signs to help ensure highway safety and guidance to the traveling motorist.
3. Monitors the annual pavement marking program, including specialty marking by state and contractor personnel.
4. Maintains commodity and equipment inventory to allow quick response. Uses preventative maintenance and scheduling to minimize emergency situations and reduce accidents.
5. Prepares necessary traffic engineering studies, at various locations to determine the proper traffic control devices needed.
6. Reviews all traffic control plans for maintenance and construction operations affecting the flow of traffic. Conducts visual inspections of traffic controls for maintenance and construction operations.
7. Performs duties in compliance with departmental safety rules. Performs all duties in a manner conducive to the fair and equitable treatment of all employees.
8. Performs other duties as assigned.

## **Qualifications**

### **Position Requirements**

- Education/Experience
  - Current registration as a Licensed Professional Engineer in the state of Illinois PLUS
  - Five years of experience in civil engineering.
- Valid driver's license
- Frequent districtwide travel and occasional state-wide and out-of-state travel

### **Position Desirables**

- Supervisory experience
- Ability to direct the work of other engineers, mechanics, equipment operators, and laborers
- Strong communication skills

**Work Hours:** 7:00 AM - 3:30 PM Monday-Friday

**Work Location:** 700 E Norris Dr Ottawa, IL 61350-1628

**Office:** Office of Highways Project Implementation/Region 2/District 3/Operations

**Agency Contact:** [DOT.CONTACTHR@ILLINOIS.GOV](mailto:DOT.CONTACTHR@ILLINOIS.GOV)

**Job Family:** Transportation; Sciences and Natural Resources

## **APPLICATION INSTRUCTIONS**

Use the "Apply" button at the top right or bottom right of this posting to begin the application process.

If you are not already signed in, you will be prompted to do so.

State employees should sign in to the career portal for State of Illinois employees – a link is available at the top left of the [Illinois.jobs2web.com](http://Illinois.jobs2web.com) homepage in the blue ribbon.

Non-State employees should log in on the using the "View Profile" link in the top right of the [Illinois.jobs2web.com](http://Illinois.jobs2web.com) homepage in the blue ribbon. If you have never before signed in, you will be prompted to create an account.

If you have questions about how to apply, please see the following resources:

State employees: Log in to the career portal for State employees and review the Internal Candidate Application Job Aid

Non-State employees: on [Illinois.jobs2web.com](http://Illinois.jobs2web.com) – click "Application Procedures" in the footer of every page of the website.

The main form of communication will be through email. Please check your "junk mail", "spam", or "other" folder for communication(s) regarding any submitted application(s). You may receive emails from the following addresses:

- [donotreply@SIL-P1.ns2cloud.com](mailto:donotreply@SIL-P1.ns2cloud.com)
- [systems@SIL-P1.ns2cloud.com](mailto:systems@SIL-P1.ns2cloud.com)